

### TUBE REPLACEMENT INSTRUCTIONS

**Step 1:** To access the cartridge remove the base plate from the skimmer unit using the 3 screws and washers mounted to the bottom of the unit.

**Step 2:** Replace the tube in the cartridge following the instruction below.

#### For Model# ZVA8 ("G")

- After removing the cartridge from the complete skimmer assembly, position it so the tube is facing you and the ceramic washer is on the left. Refer to **Figure A**.
- Remove four flat head screws and separate cartridge halves. Do this with caution, as the interior of the cartridge contains grease.
- Install new tube assembly as shown. Note the location of the ceramic scraper, positioning it so the raised writing is facing away from the cartridge.
- Replace upper cartridge half. Refer to **Figure B**.
- Refasten the cartridge by replacing the four screws from step 2b. Do not overtighten, using 9 in. lbs. only.
- Hold the assembled cartridge in one hand while pulling the tube through. Refer to **Figure C**. This pull test will help to verify that the tube is seated correctly within the gear drive mechanism.
- Reassemble the entire skimming unit. Refer to pictures below.

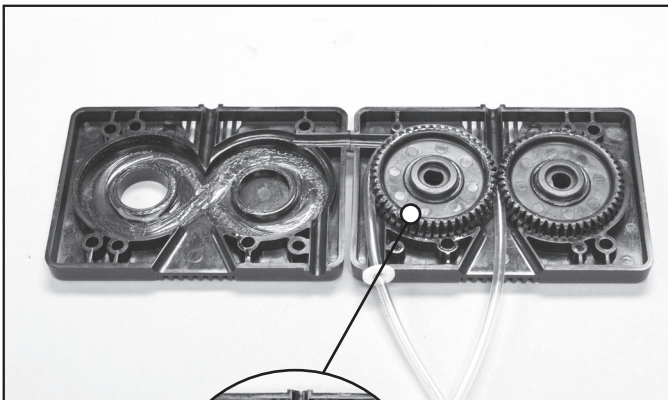
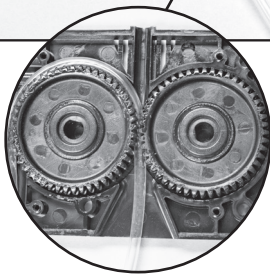


Figure A



*Circular markings on the inside of gears must be facing up.*

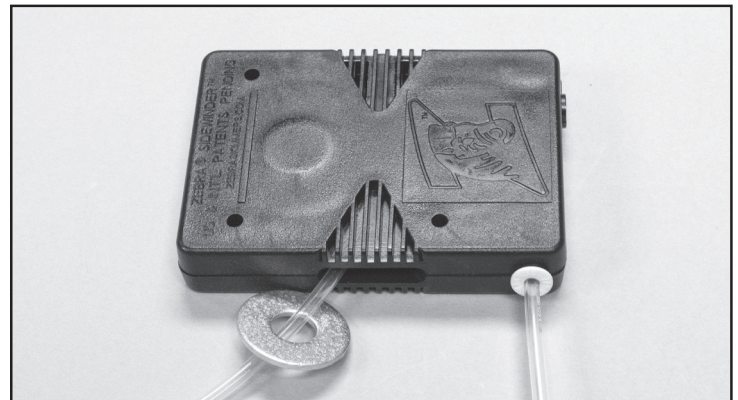


Figure B. Once assembled the white ceramic scraper is on the right and the Zebra® logo will be visible

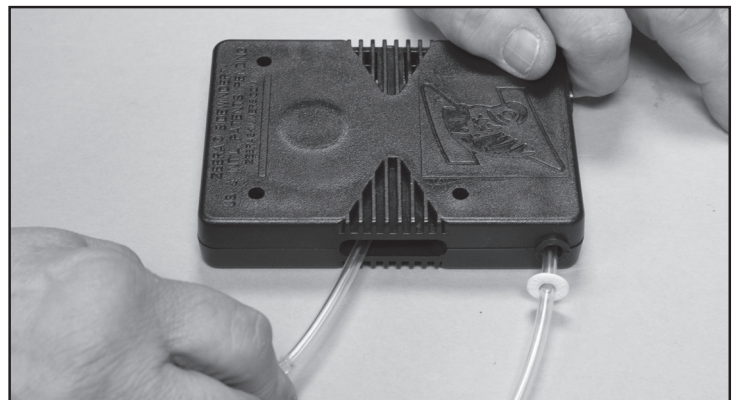


Figure C. Confirm installation is correct by doing a pull test to verify tube is seated correctly. Note correct placement of white ceramic ring.